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L32 ANSWER 10 OF 16 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1986:618429 HCAPLUS Full-text

DOCUMENT NUMBER: 105:218429

ORIGINAL REFERENCE NO.: 105:35063a,35066a

TITLE: Antitumor polysaccharides from Solidago species

AUTHOR(S): Kraus, Josef; Schneider, Martin; Franz, Gerhard

CORPORATE SOURCE: Pharm. Biol., Univ. Regensburg, Regensburg, 8400, Fed. Rep. Ger.

SOURCE: Deutsche Apotheker Zeitung (1986), 126(38), 2045-9

CODEN: DAZE2; ISSN: 0011-9857

DOCUMENT TYPE: Journal

LANGUAGE: German

ED Entered STN: 26 Dec 1986

AB The isolation and characterization and antitumor testing of water-soluble polysaccharides of Solidago sp. are presented. Fractionation of the crude polysaccharide fraction yielded a neutral (F1) and an acid (F2) fractions. The F1 fraction consisted of a β -1,2-fructosan [92880-82-5] with a chain length of 15-20 fructose units. The acid fraction was separated into 3 subfractions which after hydrolytic cleavage yielded the main sugar building blocks L-rhamnose [3615-41-6], L-arabinose [5328-37-0], D-galactose [59-23-4], and uronic acid. Following the administration of F1 or F2 fractions to sarcoma-bearing mice, tumor inhibition was 82 and 72%, resp., and tumor regression was 67 and 33%, resp.

CC 1-6 (Pharmacology)

Section cross-reference(s): 11

IT **Goldenrod**

(**extract**, polysaccharides of, characterization and antitumor activity of)

IT Polysaccharides, biological studies

Uronic acids

RL: BIOL (Biological study)

(of Solidago **extract**, antitumor activity from)

IT **Neoplasm inhibitors**

(polysaccharides of Solidago **extract** as)

IT 59-23-4, biological studies 3615-41-6 5328-37-0 92880-82-5

RL: BIOL (Biological study)

(of Solidago **extract**, antitumor activity from)

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ACCESSION NUMBER: 1992:181120 HCAPLUS Full-text

DOCUMENT NUMBER: 116:181120

TITLE: Antitumor polyacetylene **extraction** from plants

INVENTOR(S): Matsumoto, Akiko; Katsuya, Haruyo; Matsumoto, Takeshi; Tokuda, Harukuni

PATENT ASSIGNEE(S): Daicel Chemical Industries, Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 4 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 03287532	A	19911218	JP 1990-89991	19900404
PRIORITY APPLN. INFO.:			JP 1990-89991	19900404

OTHER SOURCE(S): MARPAT 116:181120

ED Entered STN: 03 May 1992

AB Antitumor Me(C.tplbond.C)3CH=CHCO2R (I; R=H, Me, cis and trans) are **extracted** from roots of Solidago virga-aurea. Thus, 4.5 kg S. virga-aurea roots were pulverized and soaked in MeOH for 10 days. The **extract** was isolated and the solvent was removed by distillation under reduced pressure to give an **extract** (69g) containing I.

IC ICM A61K031-20

ICS A61K031-23

CC 63-4 (Pharmaceuticals)

Section cross-reference(s): 1, 11

ST polyacetylené antitumor **extn** Solidago root

IT **Neoplasm inhibitors**

(polyacetylenes, from Solidago virga-aurea roots)

IT **Goldenrod**

(S. virgaurea, root, antitumor polyacetylene **extraction** from)

IT 692-94-4 2739-57-3 7199-97-5 23050-77-3

RL: PROC (Process)

(**extraction** of, from Solidago virga-aurea root as antitumor agent)

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